Name of Work : Modified Estimate For the Work of Improvements to Drain and Asphalting to Medarahalli Area & Chikkasandra Area in Ward No. 12 Shettyhalli Sub Division (2-Works) Package No. DZ 2017-18-(02) (Improvements to Roads and asphalting to Medarahalli area, Shettyhalli main road via railway gate to Medarahalli main Road and Chikkasandra area, Bonemill main road in Ward No.12 Shettyhalli sub Division)

Sl. No	Description of item	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
1	Removing B.S. slab of Drain and stacking.(page No 25., I.no.5.32 of KPWD S.R 2016-17)	Sqm	–	–	–	73.59	–	–	–	NOT EXECUTED
2	Earthwork excavation by manulal means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / chapter 3 (P-141/19.1)	Cum	–	–	3358.32	97.32	326831.70	3358.32	326831.70	
3	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3	–	–	–	–	–	–	–	–	
	BOQ QTY	sqm	–	–	1504.80	5.93	8923.46	1504.80	8923.46	
	UPTO 125%QTY	sqm	–	–	376.20	5.93	2230.87	376.20	2230.87	
	ABOVE 125% QTY	sqm	–	–	5829.80	7.12	41508.18	5829.80	41508.18	
4	KSRRB M300-55. Construction of sub-grade and earthen shoulders with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller) MORTH Specification No. 305	Sqm	–	–	–	392.85	–	–	–	NOT EXECUTED
5	KSRRB M400-6.1. Construction of granular sub-base Grading-V as Sub-base and Drainage Layer By providing Coarse graded Crushed stone aggregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications. clause 401 of Morth V revision (Page No.153., I. No.20.5.)	Sqm	–	–	1156.62	1731.66	2002872.59	1156.62	2002872.59	
6	Providing, laying, spreading and compacting Cushed stones aggregate of granite/trap/basalt to Wet Mix Macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mix method of tipper to site,Laying in uniform layers with paver in subbase/base course on the well prepared surface and compacting with vibratory rollers to achive the desired density complete as per MORTH specification No. 406.etc with all lead and lifts and as per directions of the Engineer-in-charge(Item No: 20.18, Page No:157 of KPWD S.R2016-17)	Cum	–	–	–	–	–	–	–	

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	Description of Item	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
	BOQ QTY	Cum			1447.92	1979.72	2866476.18	1447.92	2866476.18	
	UPTO 125% QTY	Cum			325.56	1979.72	644517.64	325.56	644517.64	
7	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502	sqm	–	–	–	–	–	–	–	
	BOQ QTY		–	–	7643.60	30.86	235881.50	7643.60	235881.50	
	UPTO 125% QTY		–	–	1910.90	30.86	58970.37	1910.90	58970.37	
	ABOVE 125% QTY		–	–	10887.30	40.35	439302.56	10887.30	439302.56	
8	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	–	–	–	–	–	–	–	
	BOQ QTY		–	–	13262.25	3.56	47213.61	13262.25	47213.61	
	UPTO 125% QTY		–	–	3315.56	3.56	11803.39	3315.56	11803.39	
	ABOVE 125% QTY		–	–	3863.99	5.93	22913.46	3863.99	22913.46	
9	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5	Sqm	–	–	20441.80	13.06	266969.91	20441.80	266969.91	

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	Description of item	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
10	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed Coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, butexcluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-ll (50 mm to 75 mm) with 3.3 % VG-30 Bitumen	Cum	–	–	–	–	–	–	–	
	BOQ QTY	Cum	–	–	833.60	6210.95	5177447.92	833.60	5177447.92	
	UPTO 125% QTY	Cum	–	–	188.49	6210.95	1170701.97	188.49	1170701.97	
11	Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-ll (30 mm to 45 mm) with6 % VG-30 BitumenMORTH Specification No. 509(Sl No. 21.22.6, Page 164)	Cum	–	–	–	–	–	–	–	
	BOQ QTY	Cum	–	–	726.18	15283.48	11098557.51	726.18	11098557.51	
	UPTO 125% QTY	Cum	–	–	91.49	15283.48	1398285.59	91.49	1398285.59	
12	Add Plastic to Bituminous Concrete 8% of Bitumen	kg	–	–	–	–	–	–	–	
	BOQ QTY	kg	–	–	8190.83	30.23	247608.79	8190.83	247608.79	
	UPTO 125%QTY	kg	–	–	1032.51	30.23	31212.78	1032.51	31212.78	
13	Road marking with Hot Applied Thermoplastic Compound with reflectorising glass beads on bituminous surface:- Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250 gms per sqm area,thickness of 2.5mm is exclusive of surface applied glass beads as per IRC 35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 Page no- 181., It-24.15 of KPWD S.R 2016-17	Cum	–	–	987.00	607.68	599780.16	987.00	599780.16	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಪಡಚ್ಚು ಉಪವಿಭಾಗ, ದಾವಣಗೆರೆ ವಲಯ
ಬೃಹತ್ ನೀರಾವರಿ ಮಹಾಮಂಡಳ ಬೆಂಗಳೂರು
ಎಸ್.ಎಂ. ರಸ್ತೆ, ದಾವಣಗೆರೆ, ಭದ್ರಾ ಜಿಲ್ಲೆ

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	Description of Item	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
	KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, die- Nos cast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications	NOS	–	–	–	402.35	–	–	–	NOT EXECUTED
15	Refixing B.S. slab of Drain and pointing in C.M (1:3) (Page No.25., I NO.5.33 of KPWD S.R 2016-17)	Sqm	–	–	–	3.56	–	–	–	NOT EXECUTED
16	Providing Granite Slabs of Selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc.., Complete(Page No.25., I.No.5.31 of KPWD S.R 2016-17)	Sqm	–	–	–	745.36	–	–	–	NOT EXECUTED
17	Lead charges for conveying the Exacavated earth including loading and unloading upto 10kms as per directions.	Cum	–	–	3358.32	118.69	398599.00	3358.32	398599.00	
18	Stone Dust/Grit 4.75mm to 0.075mm KSRRB M100-1 Loading and unloading of Stone Boulder/Stone aggregates/ Sand/kanker/Moorum. KPWD SR2016-17 Page No.140	Cum	–	–	455.94	1334.68	608534.00	455.94	608534.00	
	Grand Total						27707143		27707143	

1 Certified that work done satisfacotry
2 Certified that there are no dues from contractors towards this work.
3 Certified that Contractor removed all debries from site.

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Assistant Engineer

Assistant Executive Engineer

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/Duplicate/ Triplicate AEE/SSO/SBR/000088/19-20 dt. 12/02/2020

Contract Certificate

(For Other Works)
Sub-Division

Dasarahalli

Date : .....

Bill Received No.....Dated .....Cash Book Voucher No. ..... Dated.....

Scheduled Doctet No..... Head of Account:

Name of Work : Modified Estimate For The Work of Improvements to Drain and Asphalting to Abbigere Area & Shettyhalli Area in Ward No. 12 Shettyhalli Sub Division (2-Works) Package No. DZ 2017-18-(01) (Improvements to Roads and Asphalting to Abbigere area Forest Road and Shettyhalli area, Raghavendra Layout Main Road in Ward no.12 Shettyhalli Sub Division

Reference to Agreement No.

Work Order No: EE/DD/WO/301/2018-19 Dt: 02.02.2019

JOB CODE : 012-18-000015

Certified that the measurements were taken by me on 05/02/2020. and recorded in pages 564732 — 564741 of measurements Book No 5648/16-17. and that the work is satisfactorily executed.

M.S.Venkatesh

Contractor

Officer – in – charge of work

Certified that the measurements were checked by me on 5/2/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Accountant II have been actually bought to the site of the work and contactor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor in recorded in the office.

If Memorandum of Payment Job Code:

Sub-Division Officer

		Amount
1.	Total Value of work done or supplies made as per account within	
2.	Deduct amount to be held in reserve being.....percent Rs.	
3.	-do- Balance	
4.	Deduct Payments:	
	a) Amount of previous payment as in the Office Cash Book Voucher No. .....Dated.....S.D. No.	
	Amount adjusted towards cash advance recovery of	
	b) Payments cost store or other materials supplied.	
5.	Balance being unpaid value of work done held in reserve	
6.	Deduct cash advance made on the office Cash Book Voucher No. ..... dated.....less adjustments	
7.	Net amount due to or from contractor	
	Unadjusted items	
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	

I and Final Bill → 27704955:00

IT → 831149:00

LWC → 27705:00 (-)

CGF → 27705:00 } 1630636:00

CGST → 24366:00

SGST → 24366:00

Contractor Signature

Net Amount → 26074319:00

Received Rs. ..... (in words)

.....

.....by cash and by adjustment of

Payment as per memorandum
(In final settlement of all demand)

Witness:

1.

2.

Stamp

Signature of the Contractor

Date

Paid by me by Cheque No. ..... Dated.....

Cash Rs. ..... Dated.....

Initials of office making payment dated.....

(For use in the office)

Audited and admitted for Rs. 27704955:00

Passed by Cheque for Rs. 26074319:00

(Two Crore Sixty Lakhs Seventy four thousand three hundred Nineteen only)

by adj. 1630636:00

Accounts Superintendent

Exe. Engineer

B.B.M.P. Dasarahalli Division

Executive Engineer

29/02/2020

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